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Thoracic impedance monitoring of cardiac output in the emergency department improves heart failure resuscitation (Milzman et al). 1998;32:S61 (Research forum abst.)

# **Cardiopulmonary arrest; see Heart arrest**

# **Cardiopulmonary resuscitation**

Appropriateness of EMS response in a priority dispatch system (Holmberg and Joyce). 1998;32:S37 (Research forum abst.)  
Bolis thrombolytic infusions during CPR (Abu-Laban et al). 1998;32:392 (Letter)  
Comparison of cardiopulmonary resuscitation training methods for parents of infants at high risk for cardiopulmonary arrest (Dracup et al). 1998;32:170-7  
Do advanced cardiac life support drugs increase resuscitation rates from in-hospital cardiac arrest? (van Walraven et al). 1998;32:544-53

Effect of experience on acceptance of family member presence during pediatric resuscitation in the emergency department (Sacchetti et al). 1998;32:S17-8 (Research forum abst.)

Emergency access to the thoracic central venous circulation using femoral venipuncture during cardiopulmonary resuscitation (de la Hera and Kilaru). 1998;32:S33 (Research forum abst.)

EMS provider reluctance to perform mouth-to-mouth resuscitation (Melanson and O'Gara). 1998;32:S37 (Research forum abst.)

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A method for improved ventilation in 2-person CPR (Dunlap et al). 1998;32:S22 (Research forum abst.)

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# **Cardioversion; see Electric countershock**

# **Career choice**

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# **Caregivers**

Merry Christmas, Doctor (Plosay). 1998;32:751-752 (Change of shift)  
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# **Case reports**

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# **Cathartics**

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# **Catheterization**

Subcutaneous buffered lidocaine for intravenous cannulation: Is there a role in emergency medicine? (Burgher and McGuirk). 1998;32:286 (Joint Services Symposium abst.)

# **Catheters, indwelling**

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**CD4; see Antigen, CD4**

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**Centers for Disease Control and Prevention**

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Tetanus among injecting-drug users—California, 1997 (Talan and Moran). 1998;32:385-6

Update: human ehrlichiosis—Maryland and Wisconsin, 1994 (Heilpern). 1998;32:108-10

**Central venous oxygen saturation; see Blood gas analysis**

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**Cerebrovascular disorders**

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Thrombolytics and stroke: What do emergency medicine residents perceive? (Heller et al). 1998;32:23 (Research forum abst.)

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**Cervical spine injuries; see Spinal injuries**

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Effects of cervical spine immobilization technique and laryngoscope blade selection on an unstable cervical spine injury in a cadaver model of intubation (Gerling et al). 1998;32:S13 (Research forum abst.)

Incidence of clinically silent cervical spine injuries in trauma patients with normal mental status (Wilson et al). 1998;32:S34 (Research forum abst.)

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**Chemical warfare agents**

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**Chest pain**

Cardiac troponin I levels within 8 hours of admission assist with the in-hospital triage of "high risk" patients with chest pain (Hillis et al). 1998;32:S11 (Research forum abst.)

Characteristics and prognosis of patients with acute myocardial infarction who present with atypical symptoms (Camargo et al). 1998;32:S2 (Research forum abst.)

Depressed heart rate variability is predictive of ventricular arrhythmia in emergency department chest pain patients (Nester et al). 1998;32:S48 (Research forum abst.)

Efficacy of a zero hour rule-out for acute myocardial infarction in emergency department chest pain patients using a combination of acute ECG changes, creatine kinase MB, myoglobin and troponin I (Olshaker et al). 1998;32:S9 (Research forum abst.)

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Two-hour  $\Delta$ CK-MB outperforms two-hour  $\Delta$ troponin I during the emergency department evaluation of chest pain (Fesmire). 1998;32:S10 (Research forum abst.)

**Chest radiography; see Radiography**

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The clinical utility of EMLA cream in a pediatric emergency medicine setting (Brent et al). 1998;32:S53 (Research forum abst.)

Coagulation studies in pediatric blunt trauma patients (Holmes et al). 1998;32:S39 (Research forum abst.)

A comparison of child and adolescent gang and nongang homicides (Hutson et al). 1998;32:S32-3 (Research forum abst.)

Comparison of prehospital intravenous and rectal diazepam for the treatment of pediatric seizures (Marino et al). 1998;32:S30 (Research forum abst.)

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ence during pediatric resuscitation in the emergency department (Sacchetti et al). 1998;32:S17-8 (Research forum abst.)

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Precision of prehospital diazepam dosing for children in status epilepticus (Marino et al). 1998;32:S30 (Research forum abst.)

Prehospital pediatric patients whose caregivers refuse EMS transport to the hospital (Gerlach and Sirbaugh). 1998;32:763 (Texas College of Emergency Physicians abst.)

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The relationship of metabolic acidosis, anion gap, and clinical symptoms in children with dehydration (Ryan et al). 1998;32:S18 (Research forum abst.)

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**Chorionic villi sampling**

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**Cobra venoms**

Successful treatment of neurotoxic king cobra envenomation in Myrtle Beach, South Carolina (Gold and Pyle). 1998;32:736-738 (Case rep.)

**Cocaine**

Effect of prenatal cocaine exposure on early postnatal respiratory responses in rats (Leaming and Terndrup). 1998;32:S55 (Research forum abst.)

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**Compartment syndromes**

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A computerized health information system for patients waiting in the emergency department (Lober et al). 1998;32:S57 (Research forum abst.)

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Man vs. machine: comparison of physician knowledge of drug interactions with a computerized database in a university hospital emergency department (Langdorf et al). 1998;32:S7 (Research forum abst.)

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Rapid emergency department access to information: electronic versus printed sources (Bontempo et al). 1998;32:S58 (Research forum abst.)

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**Continuous quality improvement**

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**Cops; see Police**

**Coronary disease**

Is troponin I alone as adequate strategy for ruling out acute coronary syndromes? A formal decision analysis (Sucov). 1998;32:S40-1 (Research forum abst.)

Postpartum coronary artery dissection (Vilke et al). 1998;32:260-2 (Case rep.)

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**Counterpulsation**

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**Creatine kinase**

Clinical evaluation of the Alpha Dx cardiac marker panel for total CK mass, CK-MB mass, cardiac troponin I and myoglobin for detection of acute myocardial infarction (Levitt et al). 1998;32:S40 (Research forum abst.)

Efficacy of a zero hour rule-out for acute myocardial infarction in emergency department chest pain patients using a combination of acute ECG changes, creatine kinase MB, myoglobin and troponin I (Olshaker et al). 1998;32:S9 (Research forum abst.)

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**D-dimer assays**

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- Factors influencing hospital transport of patients in continuing cardiac arrest (Hick et al). 1998;32:19-25
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- Increased mortality in elderly patients with low injury severity: the need for increased vigilance (Cuff et al). 1998;32:S34 (Research forum abst.)
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- Silent night (Geiderman). 1998;32:631-2 (Change of shift)
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- Trends in nonfatal and fatal firearm-related injury rates in the United States, 1985-1995 (Cherry et al). 1998;32:51-9
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- Clinical decision analysis in the diagnosis of acute renal colic (Jepson et al). 1998;32:S42 (Research forum abst.)
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- The acidosis of dehydration in children: the relationship between measurements by venous blood gas and serum chemistry analysis (Ryan et al). 1998;32:S40 (Research forum abst.)
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- Initial emergency department diagnosis and return visits: risk versus perception (Gordon et al). 1998;32:569-73 (Brief rep.)
- The relationship of metabolic acidosis, anion gap, and clinical symptoms in children with dehydration (Ryan et al). 1998;32:S18 (Research forum abst.)

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## Dexamethasone

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## Dilatation and curettage

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## Diphenhydramine

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Medical preparedness for a terrorist incident involving chemical or biological agents during the 1996 Atlanta Olympic Games (Sharp et al). 1998;32:214-23 (Concepts)

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Relationship of emergency department morbidity to area mortality during the 1995 Chicago heat disaster (Rydman et al). 1998;32:S8 (Research forum abst.)

Retrospective descriptive epidemiologic study of pediatric victims of the Oklahoma City terrorist bombing, April 19, 1995 (Bronaugh et al). 1998;32:S18 (Research forum abst.)

## Disease outbreaks

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# **Education, medical**

Critical care training in emergency medicine residencies (Lafferty et al). 1998;32:S35 (Research forum abst.)  
Do emergency department patients know their physician's level of training? (Rountree et al). 1998;32:S60 (Research forum abst.)

Domestic violence awareness in a medical school class—2-year follow-up (Ernst et al). 1998;32:S44 (Research forum abst.)

Emergency medical technician basic registry examination pass rates among urban firefighters after completing an equivalency course (Funk et al). 1998;32:S37-8 (Research forum abst.)

Emergency medicine residency experience with EMS: a national survey (Greissinger et al). 1998;32:S35 (Research forum abst.)

The fresh-frozen cadaver free-larynx model for cricothyrotomy training (Davis et al). 1998;32:S34-5 (Research forum abst.)

Managing violent situations in the prehospital setting: How do EMS providers rate their own training? (Sayah et al). 1998;32:S36 (Research forum abst.)

# **Education, medical, continuing**

ATLS: Necessary or not? The emergency medicine perspective (Richards et al). 1998;32:S59 (Research forum abst.)  
Ultrasound interpretation of hydronephrosis is improved by a brief educational intervention (Morse et al). 1998;32:S27 (Research forum abst.)

# **Education, medical, graduate**

Graduate medical education reform: implications for emergency medicine residency training (Asplin and Schafermeyer). 1998;32:S53-5 (Residents' perspective)

# **Efficiency**

Effectiveness of a 2-specialty, 2-tiered triage and trauma team activation protocol (Plaisier et al). 1998;32:436-41  
Effects of change in patient volume on hospital technical efficiency and cost of health care (Roberts et al). 1998;32:S58 (Research forum abst.)  
A four-year time study analysis of emergency department patient care efficiency (Kyriacou et al). 1998;32:S59 (Research forum abst.)

# **Ehrlichiosis**

Update: human ehrlichiosis—Maryland and Wisconsin, 1994 (Heilpern). 1998;32:108-10

# **Elder abuse**

Institutional "accidents": Is emergency department documentation adequate for assessment of elder abuse? (Barlow et al). 1998;32:S60 (Research forum abst.)

# **Elderly; see Aged**

# **Electric countershock**

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Cardioversion of paroxysmal atrial fibrillation in the emergency department (Michael et al). 1998;32:S9-10 (Research forum abst.)

Effects of transthoracic impedance and peak current flow on defibrillation success in a prehospital setting (Heavens et al). 1998;32:191-9

External defibrillation: the need for uniformity in analyzing and reporting results (White). 1998;32:234-6 (Editorial)

Monophasic versus biphasic waveforms for transthoracic countershock in a swine model of ventricular fibrillation (Niemann et al). 1998;32:S11 (Research forum abst.)

Use of automated external defibrillators by police officers

for treatment of out-of-hospital cardiac arrest (Mosesso et al). 1998;32:200-7

# **Electrocardiography**

Efficacy of a zero hour rule-out for acute myocardial infarction in emergency department chest pain patients using a combination of acute ECG changes, creatine kinase MB, myoglobin and troponin I (Olshaker et al). 1998;32:S9 (Research forum abst.)

Mathematical modeling of the standard electrocardiogram with polynomial abductive network (Schreck et al). 1998;32:S46 (Research forum abst.)

Monophasic versus biphasic waveforms for transthoracic countershock in a swine model of ventricular fibrillation (Niemann et al). 1998;32:S11 (Research forum abst.)

Prediction of the electrocardiogram using iterative key set and target factor analysis (Schreck et al). 1998;32:S46 (Research forum abst.)

# **Electrolytes**

Intracellular electrolyte levels in emergency department migraineurs (Plewa and Ryan). 1998;32:S38 (Research forum abst.)

# **Emergency codes**

Hospital emergency codes: Do emergency medicine residents know them? (Chang and Hutson). 1998;32:S60 (Research forum abst.)

# **Emergency ID NET**

Emergency ID NET: an emergency department-based emerging infections sentinel network (Talan et al). 1998;32:703-711 (Methodology)

# **Emergency medical dispatch priority reference system**

Effect of a comprehensive quality management process on compliance with protocol in an emergency medical dispatch center (Clawson et al). 1998;32:578-84

# **Emergency medical services, education**

Graduate medical education reform: implications for emergency medicine residency training (Asplin and Schafermeyer). 1998;32:S53-5 (Residents' perspective)

# **Emergency medical services, prehospital**

Appropriateness of EMS response in a priority dispatch system (Holmberg and Joyce). 1998;32:S37 (Research forum abst.)

Are opiate overdose deaths related to patient release after prehospital naloxone? (Vilke et al). 1998;32:S6 (Research forum abst.)

Can medical call-takers accurately identify cardiac arrest? (FitzGerald et al). 1998;32:287 (Joint Services Symposium abst.)

Comparison of prehospital intravenous and rectal diazepam for the treatment of pediatric seizures (Marino et al). 1998;32:S30 (Research forum abst.)

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Effects of transthoracic impedance and peak current flow on defibrillation success in a prehospital setting (Heavens et al). 1998;32:191-9

Emergency medical services providers' experiences and concerns with occupational safety (Sayah et al). 1998;32:S36-7 (Research forum abst.)

Emergency medical technician basic registry examination pass rates among urban firefighters after completing an equivalency course (Funk et al). 1998;32:S37-8 (Research forum abst.)

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identified (Carroll et al). 1998;32:S29 (Research forum abst.)  
Endotracheal intubation by basic EMTs (Weinstein) (Letter; Sayre et al) (Reply). 1998;32:391-2

Endotracheal versus intravenous epinephrine and atropine in prehospital "primary" and postcountershock asystole (Stratton and Niemann). 1998;32:S29-30 (Research forum abst.)

The evaluation of on-scene traumatic blood loss estimates by prehospital and emergency workers (Veser and Taylor). 1998;32:S36 (Research forum abst.)

Factors influencing hospital transport of patients in continuing cardiac arrest (Hick et al). 1998;32:19-25

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How long does it take to process a cardiac arrest call? (FitzGerald et al). 1998;32:285-6 (Joint Services Symposium abst.)

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Implementation of standing field treatment protocols in Los Angeles (Eckstein). 1998;32:S29 (Research forum abst.)

Managing violent situations in the prehospital setting: How do EMS providers rate their own training? (Sayah et al). 1998;32:S36 (Research forum abst.)

Manual versus mechanical compression during EMS medical CPR: manual compressions are associated with a significantly higher rate of survival to hospital admission (Bedolla et al). 1998;32:762 (Texas College of Emergency Physicians abst.)

Manual versus mechanical compressions during EMS medical CPR: manual compressions are associated with a significantly higher rate of survival to hospital admission (Bedolla et al). 1998;32:S11-2 (Research forum abst.)

Outcome from out-of-hospital cardiac arrest caused by non-ventricular arrhythmias: contribution of successful resuscitation to overall survivorship supports the current practice of initiating out-of-hospital ACLS (Stratton and Niemann). 1998;32:448-53

Out-of-hospital use of a domestic violence screen for assessing patient risk (Weiss et al). 1998;32:S9 (Research forum abst.)

Precision of prehospital diazepam dosing for children in status epilepticus (Marino et al). 1998;32:S30 (Research forum abst.)

Prehospital Advanced Life Support for major trauma: critical need for clinical trials (Spaite et al). 1998;32:480-9 (Concepts)

Prehospital oral endotracheal intubation by rural basic emergency medical technicians (Bradley et al). 1998;32:26-32

Prehospital pediatric patients whose caregivers refuse EMS transport to the hospital (Gerlach and Sirbaugh). 1998;32:763 (Texas College of Emergency Physicians abst.)

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Rapid sequence induction intubation of trauma patients in the prehospital versus hospital setting (Sloane et al). 1998;32:S50 (Research forum abst.)

Restraint application in the field: inadequacy affecting both patient and EMS provider safety (Sayah et al). 1998;32:S36 (Research forum abst.)

Resuscitations from pulseless electrical activity and asystole: How big a piece of the survivors' pie? (Cummins and Hazinski). 1998;32:490-2 (Editorial)

A statewide study of prehospital EMS physician oversight: jurisdictional EMS medical director qualifications, involvement and emerging national guidelines (Stone et al). 1998;32:S29 (Research forum abst.)



Survey of out-of-hospital emergency intubations in the French prehospital medical system: a multicenter study (Adnet et al). 1998;32:454-60

Time saved with use of emergency warning lights and sirens during response to requests for emergency medical aid in an urban environment (Ho and Casey). 1998;32:585-8 (Brief rep.)

Use of automated external defibrillators by police officers for treatment of out-of-hospital cardiac arrest (Mosesso et al). 1998;32:200-7

The value of using fire engines as first-response vehicles (Lerner et al). 1998;32:529 (Research forum abst.)

**Emergency medical services, trends**

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New vision for the role of emergency medical services (Martinez). 1998;32:594-9 (Concepts)

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**Emergency medicine**

"Doctor, when you graduate, are you going to have your own office?"—How much do lay people know about the practice of emergency medicine? (Walters and Cordell). 1998;32:524-5 (Research forum abst.)

Motivations for a career in emergency medicine: profile of attitudes of the 1996 residency applicant pool (Kazzi et al). 1998;32:535 (Research forum abst.)

**Emigration and immigration**

Survey of California emergency physicians after Proposition 187 (Krishel et al). 1998;32:58 (Research forum abst.)

**EMLA cream; see Analgesia**

**Emotions**

My hands (Lindsay). 1998;32:112 (Change of shift)

**EMS: Agenda for the Future**

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New vision for the role of emergency medical services (Martinez). 1998;32:594-9 (Concepts)

**Endothelial cells**

Hyperbaric oxygen decreases endothelial cell E-selectin protein expression in an in vitro model of ischemia/reperfusion (Buras et al). 1998;32:517 (Research forum abst.)

**Endothelium, vascular**

N-acetylcysteine enhances endothelium-dependent vasorelaxation in the isolated rat mesenteric artery (Lopez et al). 1998;32:405-10

**Endotracheal intubation; see Intubation, intratracheal**

**Enterocolitis**

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**Epiglottitis**

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**Epilepsy, tonic-clonic**

Fatal ascending tonic-clonic seizure syndrome (Dunford). 1998;32:624-6 (Case rep.)

**Epinephrine**

Endotracheal versus intravenous epinephrine and atropine in prehospital "primary" and postcardiostatic asystole (Stratton and Niemann). 1998;32:529-30 (Research forum abst.)

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**Equipment and supplies**

Emergency department treatments of in-flight medical emergencies: implications for an enhanced airline medical kit (Chan et al). 1998;32:530 (Research forum abst.)

**E-selectin**

Hyperbaric oxygen decreases endothelial cell E-selectin protein expression in an in vitro model of ischemia/reperfusion (Buras et al). 1998;32:517 (Research forum abst.)

**Esophageal fistula**

Aortoesophageal fistula: recognition and diagnosis in the emergency department (Heckstall and Hollander). 1998;32:502-5 (Case rep.)

**Esophagus**

Does the syringe esophageal detector device accurately detect an esophageal intubation after gastric distention from air insufflation? (Chew et al). 1998;32:551 (Research forum abst.)

Esophageal tracheal combitube placement in prehospital trauma patients may be facilitated by rapid sequence induction (Blostein et al). 1998;32:552 (Research forum abst.)

Use of a Toomey syringe to detect esophageal intubation (McCarty and Mendenhall). 1998;32:551 (Research forum abst.)

**Esthetics**

Tissue adhesive versus suture wound repair at 1 year: randomized clinical trial correlating early, 3-month, and 1-year cosmetic outcome (Quinn et al). 1998;32:645-649

**Ethanol; see Alcohol, ethyl**

**Ethics**

Nonbeneficial ("futile") emergency medical interventions (American College of Emergency Physicians). 1998;32:126-7 (Policy statement)

**Ethnic factors**

Emergency department visits for asthma in an urban African-American community: Last resort or first stop? (Richardson et al). 1998;32:52 (Research forum abst.)

Race/ethnicity and acute asthma among children presenting to the emergency department (Boudreaux et al). 1998;32:53 (Research forum abst.)

**Etomidate**

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**Europe**

Emergency medicine around the world (Kirsch). 1998;32:237-8 (International rep.)

**Examination scores**

A comparison of emergency faculty evaluations and national

inservice examination scores using a relative versus fixed reference scale to score performance (Ryan et al). 1998;32:S60-1 (Research forum abst.)

**Exercise test**

Evaluation of chest pain in low-risk patients presenting to the emergency department: the role of immediate exercise testing (Kirk et al). 1998;32:1-7

The prognostic effect of graded exercise testing in an emergency department chest pain diagnostic unit (Diercks et al). 1998;32:286 (Joint Services Symposium abst.)

Routine stress testing for triage of patients with chest pain: Is it worth the candle? (Lindsay et al). 1998;32:600-3 (Editorial)

**Explosions**

A novel source of carbon monoxide poisoning: explosives used in construction (Deitchman et al). 1998;32:381-4 (Case rep.)

**Express care; see Time factors**

**External defibrillation; see Electric countershock**

**Eye**

Treatment of ocular potassium permanganate exposure with 5% ascorbic acid solution (Sigg et al). 1998;32:754-755 (Letter)

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**Facial injuries**

Epidemiologic features of facial injuries among motorcyclists (Gopalakrishna et al). 1998;32:415-30

**Factitious disorders**

Two siblings poisoned with diphenhydramine: a case of factitious disorder by proxy (Arnold et al). 1998;32:256-9 (Case rep.)

**Faculty, medical**

A comparison of emergency faculty evaluations and national inservice examination scores using a relative versus fixed reference scale to score performance (Ryan et al). 1998;32:S60-1 (Research forum abst.)

**Failure to thrive**

The 'dwindles': failure to thrive in the elderly (Harris et al). 1998;32:515-6 (Research forum abst.)

**Falls; see Accidental falls**

**False negative reactions**

False-negative decisions are the cause of poor outcome in patients with suspected appendicitis (Graff et al). 1998;32:S41 (Research forum abst.)

**Family**

Effect of experience on acceptance of family member presence during pediatric resuscitation in the emergency department (Sacchetti et al). 1998;32:S17-8 (Research forum abst.)

Merry Christmas, Doctor (Plosay). 1998;32:751-752 (Change of shift)

**Fatty acids, nonesterified**

Free fatty acid binding protein to risk stratify patients for myocardial ischemia evaluation (Graff et al). 1998;32:S62 (Research forum abst.)

**FDA; see United States Food and Drug Administration**

**Femoral vein**

Emergency access to the thoracic central venous circulation using femoral venipuncture during cardiopulmonary resuscitation (de la Hera and Kilaru). 1998;32:S33 (Research forum abst.)

**Fenfluramine**

Dextfenfluramine overdose (LoVecchio and Curry). 1998;32:102-3 (Case rep.)

**Fever**

Emergency physicians' variability in assessing and treating pediatric febrile patients (Brennan et al). 1998;32:S18 (Research forum abst.)

Home antipyretics use in febrile children brought to the emergency department (McErlean et al). 1998;32:S12 (Research forum abst.)

Prevalence of abnormal chest radiographs in febrile children from 90 days to 36 months of age (Blumenreich et al). 1998;32:S18-9 (Research forum abst.)

#### **Fibroblasts**

Cellular signaling is increased after hyperbaric oxygen therapy in human dermal fibroblasts (Reenstra et al). 1998;32:S17 (Research forum abst.)

#### **Fire engines**

Ambulance, fire, and police dispatch center times compared with the atomic clock (Lerner et al). 1998;32:S30-1 (Research forum abst.)

The value of using fire engines as first-response vehicles (Lerner et al). 1998;32:S29 (Research forum abst.)

#### **Firearms**

ACEP endorsement of the EAST position paper on firearms violence (Bradley). 1998;32:79-82 (Editorial)

Criminal activity and assault-type handguns: a study of young adults (Wintemute et al). 1998;32:44-50

Handgun purchase trends, Washington State: differences by age of buyer (Dowd et al). 1998;32:60-4 (Brief rep.)

Preventing firearm injuries (Kellermann and Waeckerle). 1998;32:77-9 (Editorial)

Trends in firearm-related injuries in Washington State, 1989-1995 (Cummings et al). 1998;32:37-43

Trends in nonfatal and fatal firearm-related injury rates in the United States, 1985-1995 (Cherry et al). 1998;32:51-9

Urban versus rural firearm homicides and suicides in youth (Nie et al). 1998;32:S8 (Research forum abst.)

Weapons used in gang-related homicides from 1979 to 1995 (Hutson et al). 1998;32:S33-4 (Research forum abst.)

#### **Firefighters**

Emergency medical technician basic registry examination pass rates among urban firefighters after completing an equivalency course (Funk et al). 1998;32:S37-8 (Research forum abst.)

#### **Fistula**

Aortoesophageal fistula: recognition and diagnosis in the emergency department (Heckstall and Hollander). 1998;32:S02-5 (Case rep.)

#### **Fluid therapy**

Device for fast field intraosseous infusion via the adult manubrium (Johnson et al). 1998;32:S38 (Research forum abst.)

#### **Flumazenil**

Reversal of midazolam-induced laryngospasm with flumazenil (Davis et al). 1998;32:263-5 (Case rep.)

#### **Fluoroquinolone**

Fluoroquinolone-resistant *Neisseria gonorrhoeae* (Seligson and Pollack). 1998;32:748-750

#### **Foot**

Ottawa Ankle Rules and the diabetic foot (McLaughlin et al). 1998;32:S18 (Letter)

#### **Football**

Emergency removal of football equipment: a cadaveric cervical spine injury model (Gastel et al). 1998;32:411-7

#### **Foreign bodies**

The comparative accuracy of radiolucent foreign body detection using ultrasonography (Knittel et al). 1998;32:S27 (Research forum abst.)

#### **Fractures**

Isolated sternal fractures in blunt trauma (Mader et al). 1998;32:S49-50 (Research forum abst.)

Validation of the Ottawa ankle rules in France: a study in the surgical emergency department of a teaching hospital (Auleley et al). 1998;32:14-8

#### **France**

Survey of out-of-hospital emergency intubations in the French prehospital medical system: a multicenter study (Adnet et al). 1998;32:454-60

Validation of the Ottawa ankle rules in France: a study in the surgical emergency department of a teaching hospital (Auleley et al). 1998;32:14-8

#### **Free fatty acids; see Fatty acids, nonesterified**

#### **Free radicals**

Modulation of arachidonate-induced calcium flux and radicals alters Ser-51(P)-eIF2 $\alpha$  in neuroblastoma cells (O'Neil et al). 1998;32:S17 (Research forum abst.)

#### **Futile treatment refusal; see Refusal to treat**

#### **Future trends; see Emergency medical services, trends**

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#### **G suits**

Characteristics, outcomes, and survival of patients with leaking abdominal aortic aneurysm (AAA) stabilized with military anti-shock trousers (MAST) (Sole et al). 1998;32:S21 (Research forum abst.)

#### **Gang-related homicide; see Homicide**

#### **Gastrointestinal hemorrhage**

Predicting complications in patients with upper-gastrointestinal tract bleeding (Burbulys et al). 1998;32:S21 (Research forum abst.)

Retrospective review of emergency department patients with nonvariceal upper-gastrointestinal hemorrhage for potential outpatient management (Tham et al). 1998;32:S20 (Research forum abst.)

#### **Gastrointestinal system**

Treatment of patients with abdominal complaints by emergency physicians: a prospective observational trial in the emergency department in The Netherlands (van Geloven et al). 1998;32:S23 (Research forum abst.)

#### **Gender factors**

Gender differences among children presenting to the emergency department with acute asthma (Schreiber et al). 1998;32:S2-3 (Research forum abst.)

Utility of clinical characteristics, ultrasound, and computed tomography in women with an equivocal diagnosis of appendicitis (Kern et al). 1998;32:S4-5 (Research forum abst.)

#### **Geriatrics; see Aged**

#### **Glycoproteins**

Prospective use of glycoprotein IIb/IIIa receptor blockers in the emergency department setting (Gibler et al). 1998;32:712-722 (Review)

#### **Gonadotropins, chorionic**

Do we still have to worry when the urine is dilute? (Gibbon et al). 1998;32:287 (Joint Services Symposium abst.)

#### **Gonorrhea**

Fluoroquinolone-resistant *Neisseria gonorrhoeae* (Seligson and Pollack). 1998;32:748-750

#### **Graduate medical education; see Education, medical, graduate**

#### **Grief**

Merry Christmas, Doctor (Plosay). 1998;32:751-752 (Change of shift)

#### **Guidelines**

Guidelines for care of the elderly (Meirink) (Letter); (Mayer) (Letter); (Steel and Grifone) (Letter); (Baraff) (Reply). 1998;32:114-6

A statewide study of prehospital EMS physician oversight: jurisdictional EMS medical director qualifications, involvement and emerging national guidelines (Stone et al). 1998;32:S29 (Research forum abst.)

#### **Gulf War**

Emergency preparedness and response in Israel during the Gulf War (Barach et al). 1998;32:224-33 (Concepts)

#### **Gunshot wounds; see Wounds, gunshot**

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#### **Handedness; see Laterality**

#### **Handguns; see Firearms**

#### **Hands**

My hands (Lindsay). 1998;32:112 (Change of shift)

#### **Head injuries**

Clinical judgment is not predictive of abnormal head CT results in patients with minor head injuries (Haydel et al). 1998;32:S4 (Research forum abst.)

Incidence of coagulation abnormalities in severe closed head injury patients (Plewa and Gaughan). 1998;32:S38 (Research forum abst.)

Occult intracranial injury in infants (Greenes and Schutzman). 1998;32:680-686

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#### **Headache**

Double-blind, multicenter trial to compare the efficacy of intramuscular dihydroergotamine plus hydroxyzine versus intramuscular meperidine plus hydroxyzine for the emergency department treatment of acute migraine headache (Carleton et al). 1998;32:129-38

Intracellular electrolyte levels in emergency department migraineurs (Plewa and Ryan). 1998;32:S38 (Research forum abst.)

Intranasal lidocaine for treatment of migraine headache (Blanda et al). 1998;32:S6 (Research forum abst.)

Predictors of pathologic headache in the emergency department (Timmerding et al). 1998;32:S41-2 (Research forum abst.)

Use of head CT scans in AIDS patients with headache (Gash-Kim et al). 1998;32:S5 (Research forum abst.)

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#### **Health care reform**

Universal health care: associated factors (Davido et al) (Letter); (Goldfrank) (Reply); (O'Brien) (Reply). 1998;32:113-4

#### **Health education**

Domestic violence community resource information in emergency department bathrooms (deLahunta and Tops). 1998;32:S44 (Research forum abst.)

Resuscitation preferences: feasibility of establishing societal consensus (Marco and Schears). 1998;32:S43 (Research forum abst.)

#### **Health policy**

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#### **Health services accessibility**

The effect of emergency service performance bonus payments in Victoria (Cameron). 1998;32:S26-7 (Research forum abst.)

Survey of California emergency physicians after Proposition 187 (Krishel et al). 1998;32:S8 (Research forum abst.)

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#### **Health services needs and demands**

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Emergency department utilization by seizure patients (Jackson-Williams et al). 1998;32:S43 (Research forum abst.)

The Winnebago factor: comparison of emergency department utilization of visitors and staff in a wilderness area national park (Koval et al). 1998;32:S26 (Research forum abst.)

# **Heart, blood supply**

Free fatty acid binding protein to risk stratify patients for myocardial ischemia evaluation (Graff et al). 1998;32:S62 (Research forum abst.)

NFκB translocation during cardiac ischemia is partially dependent upon mitochondria (Williams et al). 1998;32:S61 (Research forum abst.)

# **Heart arrest**

Can medical call-takers accurately identify cardiac arrest? (FitzGerald et al). 1998;32:287 (Joint Services Symposium abst.)

Comparison of cardiopulmonary resuscitation training methods for parents of infants at high risk for cardiopulmonary arrest (Dracup et al). 1998;32:170-7

Do advanced cardiac life support drugs increase resuscitation rates from in-hospital cardiac arrest? (van Walraven et al). 1998;32:544-53

Effects of transthoracic impedance and peak current flow on defibrillation success in a prehospital setting (Heavens et al). 1998;32:191-9

Endotracheal versus intravenous epinephrine and atropine in prehospital "primary" and postcountershock asystole (Stratton and Niemann). 1998;32:S29-30 (Research forum abst.)

External defibrillation: the need for uniformity in analyzing and reporting results (White). 1998;32:234-6 (Editorial)

Factors influencing hospital transport of patients in continuing cardiac arrest (Hick et al). 1998;32:19-25

How long does it take to process a cardiac arrest call? (FitzGerald et al). 1998;32:285-6 (Joint Services Symposium abst.)

Human immunodeficiency virus seroprevalence among adults treated for out-of-hospital cardiac arrest in Seattle, Washington, 1989-1993 (Weinmann et al). 1998;32:148-50 (Brief rep.)

Intraaortic balloon counterpulsation insertion for emergency department patients presenting in cardiogenic shock/cardiopulmonary arrest (Wang et al). 1998;32:S47 (Research forum abst.)

Lengthening the chain of survival (Kuisma) (Letter); (Niemann and Stratton) (Reply). 1998;32:636-7

Manual versus mechanical compression during EMS medical CPR: manual compressions are associated with a significantly higher rate of survival to hospital admission (Bedolla et al). 1998;32:762 (Texas College of Emergency Physicians abst.)

The Ontario Prehospital Advanced Life Support (OPALS) Study: rationale and methodology for cardiac arrest patients (Stiell et al). 1998;32:180-90 (Special cont.)

Outcome from out-of-hospital cardiac arrest caused by non-ventricular arrhythmias: contribution of successful resuscitation to overall survivorship supports the current practice of initiating out-of-hospital ACLS (Stratton and Niemann). 1998;32:448-53

Resuscitations from pulseless electrical activity and asystole: How big a piece of the survivors' pie? (Cummins and Hazinski). 1998;32:490-2 (Editorial)

Use of automated external defibrillators by police officers for treatment of out-of-hospital cardiac arrest (Mosesso et al). 1998;32:200-7

# **Heart disease**

Emergency department presentation of Chagas' disease in southern California (Bourke et al). 1998;32:S22-3 (Research forum abst.)

# **Heart failure, congestive**

Evaluation of chest pain in low-risk patients presenting to the emergency department: the role of immediate exercise testing (Kirk et al). 1998;32:1-7

Inpatient versus emergency department observation unit management of heart failure (Peacock et al). 1998;32:S46-7 (Research forum abst.)

Thoracic impedance monitoring of cardiac output in the emergency department improves heart failure resuscitation (Milzman et al). 1998;32:S61 (Research forum abst.)

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# **Heart rate**

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**Metabolic acidosis; see Acidosis**

**Methodology**

New methodology section in *Annals* (Waeckerle and Callahan). 1998;32:178-9 (Methodology)

The Ontario Prehospital Advanced Life Support (OPALS)

Study: rationale and methodology for cardiac arrest patients (Stiell et al). 1998;32:180-90 (Special cont.)

Selective cervical spine radiography in blunt trauma: methodology of the National Emergency X-Radiography Utilization Study (NEXUS) (Hoffman et al). 1998;32:461-9 (Methodology)

**Methylenedioxymethamphetamine**

Death by "ecstasy": The serotonin syndrome? (Mueller and Korey). 1998;32:377-80 (Case rep.)

**Methylprednisolone**

Allergic reaction to intravenous methylprednisolone in a woman with asthma (Vanpee and Gillet). 1998;32:754 (Letter)

## Mexico

Pharmaceuticals purchased in Mexico, reliability of package claim of stated amount: an investigation using USP methods and standards (Passey et al). 1998;32:S55 (Research forum abst.)

## Midazolam

Reversal of midazolam-induced laryngospasm with flumazenil (Davis et al). 1998;32:263-5 (Case rep.)

The utilization and efficacy of controlled substance administration by paramedics (Dickinson et al). 1998;32:S38 (Research forum abst.)

## Migraine

Double-blind, multicenter trial to compare the efficacy of intramuscular dihydroergotamine plus hydroxyzine versus intramuscular meperidine plus hydroxyzine for the emergency department treatment of acute migraine headache (Carleton et al). 1998;32:129-38

Intracellular electrolyte levels in emergency department migraineurs (Plewa and Ryan). 1998;32:S38 (Research forum abst.)

Intranasal lidocaine for treatment of migraine headache (Blanda et al). 1998;32:S6 (Research forum abst.)

## Military

Army aeromedical crash rates (De Lorenzo et al). 1998;32:286-7 (Joint Services Symposium abst.)

Primary compliance with computer-entered prescriptions from a military emergency department (Hilliard et al). 1998;32:287 (Joint Services Symposium abst.)

## Military anti-shock trousers; see G suits

## Misdiagnosis

Radiologists' review of radiographs (Orton) (Letter); (Lufkin) (Reply). 1998;32:390-1

## Mitochondria

Cigarette smoke acutely impairs tissue mitochondrial electron flow (Bell et al). 1998;32:S61-2 (Research forum abst.)

NFκB translocation during cardiac ischemia is partially dependent upon mitochondria (Williams et al). 1998;32:S61 (Research forum abst.)

## Models, theoretical

Mathematical modeling of the standard electrocardiogram with polynomial additive network (Schreck et al). 1998;32:S46 (Research forum abst.)

## Morphine

Intravenous morphine analgesia and pain documentation by paramedics (Pace). 1998;32:288 (Joint Services Symposium abst.)

The treatment of sickle cell anemia acute painful crisis: a comparison of morphine and meperidine (Reiser et al). 1998;32:S55 (Research forum abst.)

The utilization and efficacy of controlled substance administration by paramedics (Dickinson et al). 1998;32:S38 (Research forum abst.)

## Mortality; see Death

## Motor vehicle accidents; see Accidents, traffic

## Motorcycles

Epidemiologic features of facial injuries among motorcyclists (Gopalakrishna et al). 1998;32:415-30

## Mouth-to-mouth resuscitation; see Cardiopulmonary resuscitation

## Movement disorders

Single-dose IV prochlorperazine induces akathisia in a significant percentage of emergency department patients (Drotts and Vinston). 1998;32:287 (Joint Services Symposium abst.)

## Musculoskeletal pain; see Pain

## Mycobacterium tuberculosis

Searching for tuberculosis in the emergency department

(Woosley et al). 1998;32:288 (Joint Services Symposium abst.)  
Tuberculin skin test conversion rates in New York City emergency medical service health care workers (Prezant et al). 1998;32:208-13

## Myocardial infarction

Cardiac troponin I levels within 8 hours of admission assist with the in-hospital triage of "high risk" patients with chest pain (Hillis et al). 1998;32:S11 (Research forum abst.)

Characteristics and prognosis of patients with acute myocardial infarction who present with atypical symptoms (Camargo et al). 1998;32:S2 (Research forum abst.)

Clinical evaluation of the Alpha Dx cardiac marker panel for total CK mass, CK-MB mass, cardiac troponin I and myoglobin for detection of acute myocardial infarction (Levitt et al). 1998;32:S40 (Research forum abst.)

The diagnosis of acute myocardial infarction—By what criteria? (Nagurney et al). 1998;32:S45-6 (Research forum abst.)

Early identification of acute myocardial infarction in the pre-hospital setting with cardiac troponin-T (Aulick et al). 1998;32:S28-9 (Research forum abst.)

Efficacy of a zero hour rule-out for acute myocardial infarction in emergency department chest pain patients using a combination of acute ECG changes, creatine kinase MB, myoglobin and troponin I (Olshaker et al). 1998;32:S9 (Research forum abst.)

Emergency physician assessment of the probability of acute myocardial infarction (Norbutas et al). 1998;32:S47 (Research forum abst.)

Evaluation of chest pain in low-risk patients presenting to the emergency department: the role of immediate exercise testing (Kirk et al). 1998;32:1-7

Guidelines for selection of a thrombolytic agent in acute myocardial infarction: potential cost savings using a selection algorithm (O'Connor et al). 1998;32:S22 (Research forum abst.)

Heart rate variability analysis: a valuable adjunct in the emergency department diagnosis of acute myocardial infarction (Nester et al). 1998;32:S47-8 (Research forum abst.)

Is troponin I alone as adequate strategy for ruling out acute coronary syndromes? A formal decision analysis (Sucoy). 1998;32:S40-1 (Research forum abst.)

The prevalence and heterogeneity of chest pain evaluation units: Are we comparing apples to oranges? (Baumlin et al). 1998;32:S46 (Research forum abst.)

Routine stress testing for triage of patients with chest pain: Is it worth the candle? (Lindsay et al). 1998;32:600-3 (Editorial)

Troponin-I, myoglobin, CK-MB isoforms and CK-MB mass in the early diagnosis of acute myocardial infarction (Schreiber et al). 1998;32:S39-40 (Research forum abst.)

Two-hour ΔCK-MB outperforms two-hour Δtroponin I during the emergency department evaluation of chest pain (Fesmire). 1998;32:S10 (Research forum abst.)

Underutilization of β-blockers in the emergency department in patients with acute myocardial infarction undergoing primary angioplasty (Pancu et al). 1998;32:S10 (Research forum abst.)

## Myocardial ischemia; see Ischemia

## Myoglobin

Clinical evaluation of the Alpha Dx cardiac marker panel for total CK mass, CK-MB mass, cardiac troponin I and myoglobin for detection of acute myocardial infarction (Levitt et al). 1998;32:S40 (Research forum abst.)

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and troponin I (Olshaker et al). 1998;32:S9 (Research forum abst.)  
Troponin-I, myoglobin, CK-MB isoforms and CK-MB mass in the early diagnosis of acute myocardial infarction (Schreiber et al). 1998;32:S39-40 (Research forum abst.)

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### N-0861

Survival after hemorrhagic shock is improved with N-0861, an adenosine antagonist, compared with aminophylline (Abbrescia et al). 1998;32:S16 (Research forum abst.)

### Nalmefene

Nalmefene compared with naloxone for field treatment of EMS patients with suspected narcotic overdose (Joyce). 1998;32:S56-7 (Research forum abst.)

### Naloxone

Are opiate overdose deaths related to patient release after prehospital naloxone? (Vilke et al). 1998;32:S6 (Research forum abst.)

Nalmefene compared with naloxone for field treatment of EMS patients with suspected narcotic overdose (Joyce). 1998;32:S56-7 (Research forum abst.)

Nebulized naloxone for reversal of narcotic intoxication: results of a pilot trial (Karras et al). 1998;32:S56 (Research forum abst.)

### Namibia

Emergency care in Namibia (Tintinalli et al). 1998;32:373-7 (International rep.)

### Narcotics

Are opiate overdose deaths related to patient release after prehospital naloxone? (Vilke et al). 1998;32:S6 (Research forum abst.)

Double-blind, multicenter trial to compare the efficacy of intramuscular dihydroergotamine plus hydroxyzine versus intramuscular meperidine plus hydroxyzine for the emergency department treatment of acute migraine headache (Carleton et al). 1998;32:129-38

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Nausea and vomiting associated with the use of parenteral opioids (Doran et al). 1998;32:S55 (Research forum abst.)

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Patient and physician perception of abdominal pain severity and need for opioid analgesia (Thomas et al). 1998;32:S14-5 (Research forum abst.)

The utilization and efficacy of controlled substance administration by paramedics (Dickinson et al). 1998;32:S38 (Research forum abst.)

## Nasogastric intubation; see Intubation, gastrointestinal

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Selective cervical spine radiography in blunt trauma: methodology of the National Emergency X-Radiography Utilization Study (NEXUS) (Hoffman et al). 1998;32:461-9 (Methodology)

## National Highway Traffic Safety Administration

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Does speed really kill? (Jolly). 1998;32:267-8 (Commentary)  
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New vision for the role of emergency medical services (Martinez). 1998;32:594-9 (Concepts)

# **National Maximum Speed Limit**

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# **Nausea**

Nausea and vomiting associated with the use of parenteral opioids (Doran et al). 1998;32:S55 (Research forum abst.)

# **Nebulizers and vaporizers**

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Nebulized naloxone for reversal of narcotic intoxication: results of a pilot trial (Karras et al). 1998;32:S56 (Research forum abst.)

# **Neck**

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Comparison of Melker cricothyrotomy versus standard technique in human cadaver model (Chan et al). 1998;32:S50-1 (Research forum abst.)

# **Necrosis**

A survival analysis of tissue necrosis associated with acute compartment syndrome (Vaillancourt et al). 1998;32:S48 (Research forum abst.)

# **Needles**

The clinical utility of EMLA cream in a pediatric emergency medicine setting (Brent et al). 1998;32:S53 (Research forum abst.)  
Effect of heliox on performance of percutaneous transtracheal ventilation using an 18-gauge needle (Tran and Wadman). 1998;32:S50 (Research forum abst.)

# **Neisseria gonorrhoeae**

Fluoroquinolone-resistant *Neisseria gonorrhoeae* (Seligson and Pollack). 1998;32:748-750

# **Netherlands**

Treatment of patients with abdominal complaints by emergency physicians: a prospective observational trial in the emergency department in The Netherlands (van Geloven et al). 1998;32:S23 (Research forum abst.)

# **Neuroblastoma**

Modulation of arachidonate-induced calcium flux and radicals alters Ser-51(P)-eIF2 $\alpha$  in neuroblastoma cells (O'Neill et al). 1998;32:S17 (Research forum abst.)

# **Neuromuscular blocking agents**

Rocuronium for rapid sequence intubation of emergency department patients (Sakles et al). 1998;32:S13 (Research forum abst.)

# **Neurotoxins**

Successful treatment of neurotoxic king cobra envenomation in Myrtle Beach, South Carolina (Gold and Pyle). 1998;32:736-738 (Case rep.)

# **Neutropenia**

Acute right lower quadrant pain in a patient with leukemia (de Brito et al). 1998;32:99-101 (Case rep.)

# **Neutropenic enterocolitis; see Enterocolitis**

# **New Delhi; see India**

# **NF-kappa B**

NF $\kappa$ B translocation during cardiac ischemia is partially dependent upon mitochondria (Williams et al). 1998;32:S61 (Research forum abst.)

# **Nicotine**

Effect of prenatal nicotine exposure on early postnatal respiratory responses in rats (Leaming and Terndrup). 1998;32:S61 (Research forum abst.)

# **Night shift**

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# **1996 Atlanta Olympic Games; see Olympic Games**

# **Nitric oxide**

N-acetylcysteine enhances endothelium-dependent vasore-

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# **Nonbeneficial treatment refusal; see Refusal to treat**

# **Noninvasive ventilation; see Ventilation**

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# **Obesity**

Is obesity a predictor of a difficult intubation? (Barton et al). 1998;32:S13-4 (Research forum abst.)

# **Obituary**

Bo Tomas Brofeldt, MD 1951-1998 (Holmes et al). 1998;32:447 (In memoriam)

# **Observation units**

Emergency department observation unit: Can it be funded through reduced inpatient admissions? (Sinclair and Green). 1998;32:670-675

# **Observer variation**

Inconsistency of emergency department triage (Wuerz et al). 1998;32:431-5

# **Obstructive sleep apnea; see Sleep apnea syndromes**

# **Occupational health**

Initial management of patients who present to the emergency department with a work-related injury or illness (American College of Emergency Physicians). 1998;32:527-8 (Policy statement)

# **Oklahoma City bombing**

Retrospective descriptive epidemiologic study of pediatric victims of the Oklahoma City terrorist bombing, April 19, 1995 (Bronaugh et al). 1998;32:S18 (Research forum abst.)

# **Olanzapine**

Olanzapine overdose (Fogel and Diaz). 1998;32:275-6 (Letter)

# **Oligemia; see Blood volume**

# **Olympic Games**

Medical preparedness for a terrorist incident involving chemical or biological agents during the 1996 Atlanta Olympic Games (Sharp et al). 1998;32:214-23 (Concepts)

# **Ontario Prehospital Advanced Life Support Study**

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# **Opiates; see Narcotics**

# **Opioids; see Narcotics**

# **Ottawa Ankle Rules**

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# **Ottawa Knee Rule**

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# **Outpatients**

Factors associated with failure of outpatient treatment of pyelonephritis (Weil and Richards). 1998;32:S32 (Research forum abst.)

Retrospective review of emergency department patients with nonvariceal upper-gastrointestinal hemorrhage for potential outpatient management (Tham et al). 1998;32:S20 (Research forum abst.)

# **Overdose**

Are opiate overdose deaths related to patient release after prehospital naloxone? (Vilke et al). 1998;32:S6 (Research forum abst.)

Dexfenfluramine overdose (LoVecchio and Curry).

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Nalmefene compared with naloxone for field treatment of EMS

patients with suspected narcotic overdose (Joyce). 1998;32:S56-7 (Research forum abst.)

Nebulized naloxone for reversal of narcotic intoxication: results of a pilot trial (Karras et al). 1998;32:S56 (Research forum abst.)

Olanzapine overdose (Fogel and Diaz). 1998;32:275-6 (Letter)

# **Oximetry**

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# **Oxygen**

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## **P**

# **Pain**

Changes in the clinical meaning of the visual analog scale with treatment of pain (Gitter et al). 1998;32:S54 (Research forum abst.)

Efficacy of a single dose of dexamethasone, given IM or PO, in reducing pain for patients with severe pharyngitis (Chan and Zackowski). 1998;32:285 (Joint Services Symposium abst.)

Intravenous morphine analgesia and pain documentation by paramedics (Pace). 1998;32:288 (Joint Services Symposium abst.)

Pain management for pediatric lumbar puncture in an emergency care setting (Ramos and Smith-Coggins). 1998;32:S52-3 (Research forum abst.)

Patients who are dissatisfied with ED pain management: not who we expect (Ross et al). 1998;32:S53 (Research forum abst.)

Subcutaneous buffered lidocaine for intravenous cannulation: Is there a role in emergency medicine? (Burgher and McGuirk). 1998;32:286 (Joint Services Symposium abst.)

Tramadol versus hydrocodone-acetaminophen in acute musculoskeletal pain: a randomized, double-blind clinical trial (Turturro et al). 1998;32:139-43

The treatment of sickle cell anemia acute painful crisis: a comparison of morphine and meperidine (Reiser et al). 1998;32:S55 (Research forum abst.)

The use of analgesia by provider: Do physician assistants and physicians provide equal relief? (Kozlowski et al). 1998;32:S53 (Research forum abst.)

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# **Parasympatholytics**

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# **Parents**

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# **Parks**

The Winnebago factor: comparison of emergency department utilization of visitors and staff in a wilderness area national park (Koval et al). 1998;32:S26 (Research forum abst.)



# **Patient admission**

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A key visit (Fox). 1998;32:387-8 (Change of shift)

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# **Patient compliance**

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# **Patient education**

The ability of an educational module to enhance the interest and understanding of advance directives in high school students (Crough et al). 1998;32:S34 (Research forum abst.)

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A computerized health information system for patients waiting in the emergency department (Lober et al). 1998;32:S57 (Research forum abst.)

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# **Patient satisfaction**

Factors affecting patient satisfaction with emergency department express care (Pronchik et al). 1998;32:S7 (Research forum abst.)

The impact of patient location, crowding, and length of stay on Press Ganey emergency department patient satisfaction scores (Cochrane and Mandell). 1998;32:S58 (Research forum abst.)

Patient satisfaction in a large, urban emergency department: the role of demographics, visit characteristics, and quality of care (d'Autremont et al). 1998;32:S25-6 (Research forum abst.)

Patients who are dissatisfied with ED pain management: not who we expect (Ross et al). 1998;32:S53 (Research forum abst.)

Perceived wait time, perceived total visit duration, and patient satisfaction before and after the redesign of a large, urban emergency department (Boudreaux et al). 1998;32:S26 (Research forum abst.)

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# **Peer reviewers**

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# **Pelvic bones**

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# **Pelvis**

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The sexual assault exam: emergency physician practice trends (White et al). 1998;32:S20 (Research forum abst.)

# **Perception**

Patient and physician perception of abdominal pain severity and need for opioid analgesia (Thomas et al). 1998;32:S14-5 (Research forum abst.)

Perceived wait time, perceived total visit duration, and patient satisfaction before and after the redesign of a large, urban emergency department (Boudreaux et al). 1998;32:S26 (Research forum abst.)

# **Percutaneous transtracheal ventilation; see Ventilation**

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# **Personnel staffing and scheduling**

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# **PGY-1 residents; see Internship and residency**

# **Pharmaceuticals; see Drugs**

# **Pharyngitis**

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# **Physician practice patterns**

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"Doctor, when you graduate, are you going to have your own office?"—How much do lay people know about the practice of emergency medicine? (Walters and Cordell). 1998;32:S24-5 (Research forum abst.)

A national survey of emergency department HIV counseling and testing (Slobodkin et al). 1998;32:S32 (Research forum abst.)

The sexual assault exam: emergency physician practice trends (White et al). 1998;32:S20 (Research forum abst.)

The use of analgesia by provider: Do physician assistants and physicians provide equal relief? (Kozlowski et al). 1998;32:S53 (Research forum abst.)

Where does the time go? Time analysis of emergency department staff (Kora and Kraus). 1998;32:S57 (Research forum abst.)

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# **Physicians' assistants**

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Hypotension and oligemia are necessary for cerebral HSP-72 expression in carbon monoxide poisoning (Ward et al). 1998;32:S2 (Research forum abst.)

Hypotension and oligemia are necessary for the induction of apoptosis in carbon monoxide poisoning (Ward et al). 1998;32:S6 (Research forum abst.)

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Suicide by cop (Hutson et al). 1998;32:665-669 (Brief rep.)

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# **Policy statements**

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The role of the emergency physician in injury prevention and control (American College of Emergency Physicians). 1998;32:127-8

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**Pregnancy, ectopic**

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Predictors of the likelihood of obtaining chorionic villi at dilation and evacuation in patients with symptoms suggestive of ectopic pregnancy who have an empty uterus at ultrasound scanning (Dart et al). 1998;32:527-8 (Research forum abst.)

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Propofol use in the elderly emergency department patient (Michael et al). 1998;32:553 (Research forum abst.)

**Protective devices**

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**Protein**

Insulin rescues protein synthesis and induces dephosphorylation of eIF2 $\alpha$ (P) in selectively vulnerable hippocampal neurons during reperfusion (Sullivan et al). 1998;32:S16 (Research forum abst.)

**Psychomotor agitation**

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**Public hospitals; see Hospitals, public**

**Publications**

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**Puerto Rico**

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**Pulmonary embolism**

A normal SimpliRED D-dimer assay does not exclude the diagnosis of deep vein thrombosis or pulmonary embolism in emergency department patients (Farrell et al). 1998;32:515 (Research forum abst.)

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**Pulmonary injuries; see Lung, injuries**

**Pulse oximetry; see Oximetry**

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**Quality control**

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**Racial factors**

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## Refusal to treat

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## Reperfusion

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Insulin rescues protein synthesis and induces dephosphorylation of eIF2 $\alpha$  in selectively vulnerable hippocampal neurons during reperfusion (Sullivan et al). 1998;32:S16 (Research forum abst.)

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## Residents' perspective

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## Resuscitation, cardiopulmonary; see Cardiopulmonary resuscitation

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## Risk factors

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## Rubber

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## Rupture

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## Rural health

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Managing violent situations in the prehospital setting: How do EMS providers rate their own training? (Sayah et al). 1998;32:S36 (Research forum abst.)

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## Saline solution, hypertonic

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## Seizures

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Emergency department utilization by seizure patients (Jackson-Williams et al). 1998;32:S43 (Research forum abst.)  
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High-risk predictors of seizures in pediatric patients with shaken baby syndrome (Shukla). 1998;32:S19 (Research forum abst.)

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## Sensitivity and specificity

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## Serotonin

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### Shaken baby syndrome

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### Shock, hemorrhagic

Splanchnic blood flow in a dog hemorrhagic shock model (Marks et al). 1998;32:S62 (Research forum abst.)

Survival after hemorrhagic shock is improved with N-0861, an adenosine antagonist, compared with aminophylline (Abbreccia et al). 1998;32:S16 (Research forum abst.)

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### Simplified D-dimer assay; see D-dimer assays

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### Sleep

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### Smoking

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Emergency removal of football equipment: a cadaveric cervical spine injury model (Gastel et al). 1998;32:411-7

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### Spouse abuse

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Multicenter emergency department—base study of risk factors for acute injury from domestic violence against women (Kyriacou et al). 1998;32:S9 (Research forum abst.)

Out-of-hospital use of a domestic violence screen for assessing patient risk (Weiss et al). 1998;32:S9 (Research forum abst.)

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### Status epilepticus

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### Sternum

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### Stramonium

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### Streptococcus pneumoniae

A study of the prevalence of antibiotic-resistant *Streptococcus pneumoniae* in the geriatric population (Ballester et al). 1998;32:S22 (Research forum abst.)

### Stress disorders, post-traumatic

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### Students, medical

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### Subarachnoid hemorrhage

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Clinical and epidemiological characteristics of a jimsonweed epidemic (Salen et al). 1998;32:S54 (Research forum abst.)

Death by "ecstasy": The serotonin syndrome? (Mueller and Korey). 1998;32:377-80 (Case rep.)



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Prevalence of recent substance abuse in patients with spontaneous pneumomediastinum (Shukla). 1998;32: S55-6 (Research forum abst.)

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Urban versus rural firearm homicides and suicides in youth (Nie et al). 1998;32: S8 (Research forum abst.)

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**Sutures**

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#### Tetracaine

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#### Thoracotomy

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